SC-173

Total No. of Pages : 1

Seat No.	

S.E. (C.S.E.) (Semester - IV) (Revised) Examination, November - 2019
OPERATING SYSTEM - I
Sub. Code : 63534

Day and Date : Tuesday, 19 - 11 - 2019 **Total Marks : 50**

Time : 2.30 p.m. to 4.30 p.m.

Instructions :
1) **Question no. 1 & 4 are compulsory.**
2) **Attempt any ONE from Q.2 and Q.3 and any ONE from Q.5 and Q.6.**
3) **Figures to the right indicate full marks.**
4) **Assume suitable data if required.**

Q1) a) Explain the following in detail. [7]
i) Time sharing systems
ii) Real time Operating systems.

b) Explain monolithic operating system in detail. [6]

Q2) a) Draw and process state transition diagram in detail. [6]

b) Explain the issues related to message passing system. [6]

Q3) a) Explain FCFS scheduling in detail. [6]

b) Write a note on multilevel queue scheduling in detail. [6]

Q4) a) What is a page fault? Explain steps in handling a page fault. [7]

b) Explain recovery from deadlock in detail. [6]

Q5) a) State and different necessary conditions for deadlock. [6]

b) Explain concept of resource allocation graph in detail. [6]

Q6) a) With the help of suitable diagram explain concept of swapping. [6]

b) List and explain different operations on file. [6]

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